

1 Amendments to the Specification Please replace the paragraph  
2 beginning on page 11 line 18 with the following paragraph.  
3 "The first set of data streams 10 and second set of data streams 26  
4 are processed through respective communication channels. However,  
5 each of the spreading codes of all of the channels is different for  
6 cochannel isolation. The clock generators 16 and 32 can be one  
7 clock generator for providing the same clock signals to the first  
8 and second sets of communications channels. Additionally, the first  
9 set of data streams 10 are data formatted and then modulated by NRZ  
10 formatted spreading codes from the first set NRZ code formatters  
11 20, and the second set of data streams 26 are data formatted and  
12 then modulated by Manchester formatted spreading codes from the  
13 Manchester formatters 36. The first set of modulators 24 and the  
14 second set of modulators 40 provide respective NRZ spectrum spread  
15 signals and Manchester spectrum spread signals to a transmitter  
16 combiner 42 for combining the NRZ formatted spectrum spread signals  
17 and Manchester spectrum spread signals into a composite spectrum  
18 signals having a dual spectrum. The NRZ formatted spectrum is a  
19 nonsplit spectrum and the Manchester formatted spectrum is a split  
20 spectrum. Hence, the composite spectrum is a composite of a  
21 nonsplit spectrum resulting for NRZ code formatting and a split  
22 spectrum resulting from Manchester code formatting. The modulators  
23 24 and 40 uniphase modulate ~~the spread spectrum signals by a~~  
24 carrier signal having a carrier frequency. The composite spread  
25 spectrum communication signal is a uniphase composite spread  
26 spectrum communication signal that is amplified by a high power  
27 amplifier 44 and transmitted as a dual spectrum communication  
28 signal using a transmitter antenna 46."